

Substance Name	CASRN	Test Lab	<i>In Vitro</i> Concentration Tested	<i>In Vitro</i> Physical Form Tested	Purity (%)	Solubility	pH	IS(B) ¹	IS(B) SD	IS(B) Classification	Overall IS(B) Classification	Reference
Acetic acid	64-19-7	2	100%	Liquid	>99			14.8		Severe	Severe	CEC (1991)
Acetic acid	64-19-7	3	100%	Liquid	>99			13.7		Severe		CEC (1991)
Acetic acid	64-19-7	4	100%	Liquid	>99			9.3		Severe		CEC (1991)
Acetic acid	64-19-7	2	10%	Solution	>99			20.2		Severe	Severe	CEC (1991)
Acetic acid	64-19-7	3	10%	Solution	>99			13.6		Severe		CEC (1991)
Acetic acid	64-19-7	4	10%	Solution	>99			10.2		Severe		CEC (1991)
Acetone	67-64-1		100%	Liquid	>99	water soluble		15.32	0.33	Severe	Severe	Gilleron et al. (1997)
Allyl alcohol	107-18-6		100%	Liquid				12.4	2.3	Severe	Severe	Gilleron et al. (1996)
2-Aminophenol	95-55-6		100%	Solid				0.8	0.7	Nonirritant	Nonirritant	Gilleron et al. (1996)
Ammonium nitrate	6484-52-2		100%	Solid	>99.9	water soluble		15.34	1.24	Severe	Severe	Gilleron et al. (1997)
Anthracene	120-12-7		100%	Solid				0	0	Nonirritant	Nonirritant	Gilleron et al. (1996)
L-Aspartic acid	70-47-3		100%	Solid	95	water soluble		1.06	1.2	Slight	Slight	Gilleron et al. (1997)
Benzalkonium chloride	8001-54-5		100%	Liquid	98	surfactant		14.8	0.53	Severe	Severe	Gilleron et al. (1997)
Benzalkonium chloride	8001-54-5		100%	Liquid	98	surfactant		15.05	0.27	Severe	Severe	Gilleron et al. (1997)
Benzalkonium chloride	8001-54-5		100%	Liquid	98	surfactant		15.14	0.25	Severe	Severe	Gilleron et al. (1997)
Benzalkonium chloride	8001-54-5	2	100%	Unknown	n.p.			14.5		Severe	Severe	CEC (1991)
Benzalkonium chloride	8001-54-5	3	100%	Unknown	n.p.			13.1		Severe		CEC (1991)
Benzalkonium chloride	8001-54-5	5	100%	Unknown	n.p.			5.8		Moderate		CEC (1991)
Benzalkonium chloride	8001-54-5	6	100%	Unknown	n.p.			6.9		Moderate		CEC (1991)
Benzalkonium chloride	8001-54-5	7	100%	Unknown	n.p.			13.3		Severe		CEC (1991)
Benzethonium chloride	121-54-0		100%	Solid	n.p.			15.4	3.1	Severe	Severe	Gilleron et al. (1996)

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Brij 35	9002-92-0	1	100%	Solid	>99			2.3		Slight	Slight	CEC (1991)
Brij 35	9002-92-0	2	100%	Solid	>99			4.3		Slight		CEC (1991)
Brij 35	9002-92-0	3	100%	Solid	>99			12.9		Severe		CEC (1991)
Brij 35	9002-92-0	4	100%	Solid	>99			4.4		Slight		CEC (1991)
Brij 35	9002-92-0	5	100%	Solid	>99			3.8		Slight		CEC (1991)
Brij 35	9002-92-0	6	100%	Solid	>99			2.6		Slight		CEC (1991)
Brij 35	9002-92-0	7	100%	Solid	>99			4		Slight		CEC (1991)
Butanol	71-36-3	1	100%	Liquid	99			11.7		Severe	Severe	CEC (1991)
Butanol	71-36-3	2	100%	Liquid	99			11.8		Severe		CEC (1991)
Butanol	71-36-3	3	100%	Liquid	99			12.6		Severe		CEC (1991)
Butanol	71-36-3	4	100%	Liquid	99			11.2		Severe		CEC (1991)
Butanol	71-36-3	5	100%	Liquid	99			3.9		Slight		CEC (1991)
Butanol	71-36-3	6	100%	Liquid	99			10.7		Severe		CEC (1991)
Butanol	71-36-3	7	100%	Liquid	99			9.9		Severe		CEC (1991)
Butanol	71-36-3	2	10%	Solution	99			14.2		Severe	Severe	CEC (1991)
Butanol	71-36-3	3	10%	Solution	99			4.8		Slight		CEC (1991)
Butanol	71-36-3	4	10%	Solution	99			12.5		Severe		CEC (1991)
2-Butoxyethyl acetate	112-07-2	1	100%	Liquid	99			4.6		Slight	Slight	CEC (1991)
2-Butoxyethyl acetate	112-07-2	2	100%	Liquid	99			5.3		Moderate		CEC (1991)
2-Butoxyethyl acetate	112-07-2	3	100%	Liquid	99			4.7		Slight		CEC (1991)
2-Butoxyethyl acetate	112-07-2	4	100%	Liquid	99			4.7		Slight		CEC (1991)
2-Butoxyethyl acetate	112-07-2	5	100%	Liquid	99			4		Slight		CEC (1991)
2-Butoxyethyl acetate	112-07-2	6	100%	Liquid	99			3.9		Slight		CEC (1991)
2-Butoxyethyl acetate	112-07-2	7	100%	Liquid	99			4.5		Slight		CEC (1991)

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2-Butoxyethyl acetate	112-07-2	2	10%	Solution	99			4.1		Slight	Slight	CEC (1991)
2-Butoxyethyl acetate	112-07-2	3	10%	Solution	99			0		Nonirritant		CEC (1991)
2-Butoxyethyl acetate	112-07-2	4	10%	Solution	99			3.2		Slight		CEC (1991)
Butyl acetate	123-86-4		100%	Liquid	99	water insoluble		17.21	1.84	Severe	Severe	Gilleron et al. (1997)
Gamma-butyrolactone	96-48-0		100%	Liquid				13.9	1.8	Severe	Severe	Gilleron et al. (1996)
Gamma-butyrolactone	96-48-0		100%	Liquid	>99	water soluble		19.39	0.83	Severe		Gilleron et al. (1997)
Captan 90 concentrate	133-06-2		100%	Solid	90	water soluble		15.07	0.27	Severe	Severe	Gilleron et al. (1997)
4-Carboxybenzaldehyde	619-66-9		100%	Solid	95	water insoluble		3.95	4.69	Slight	Slight	Gilleron et al. (1997)
Cetylpyridinium bromide	140-72-7		100%	Liquid	98	surfactant		12.68	1.52	Severe	Severe	Gilleron et al. (1997)
Cetylpyridinium bromide	140-72-7		100%	Liquid	98	surfactant		13.53	2.42	Severe	Severe	Gilleron et al. (1997)
Cetylpyridinium bromide	140-72-7		100%	Liquid	98	surfactant		14.6	0.43	Severe	Severe	Gilleron et al. (1997)
Chlorhexidine	55-56-1		100%	Solid	99.5	water insoluble		14.87	3.78	Severe	Severe	Gilleron et al. (1997)
Cyclohexanol	108-93-0		100%	Liquid	97	water soluble		18.96	0.1	Severe	Severe	Gilleron et al. (1997)
Cyclohexanone	108-94-1		100%	Liquid				14.5	3.8	Severe	Severe	Gilleron et al. (1996)
Deoxycholic acid, sodium salt	302-95-4		100%	Solid				9.7	5.8	Severe	Severe	Gilleron et al. (1996)
Diacetone alcohol	123-42-2		100%	Liquid				15.1	2.7	Severe	Severe	Gilleron et al. (1996)
Dibenzoyl-L-tartaric acid	2743-38-6		100%	Solid	np	water soluble		13.34	4.24	Severe	Severe	Gilleron et al. (1997)
Dibenzoyl-L-tartaric acid	2743-38-6		100%	Solid				4.2	2.5	Slight		Gilleron et al. (1996)
Dibenzyl phosphate	1623-08-1		100%	Solid	99.5	water insoluble		15.16	0.47	Severe	Severe	Gilleron et al. (1997)
Dibutyltin chloride	683-18-1	1	100%	Solid	97			11.6		Severe	Severe	CEC (1991)
Dibutyltin chloride	683-18-1	2	100%	Solid	97			10.8		Severe		CEC (1991)
Dibutyltin chloride	683-18-1	4	100%	Solid	97			12.6		Severe		CEC (1991)
Dibutyltin chloride	683-18-1	5	100%	Solid	97			5.1		Moderate		CEC (1991)
Dibutyltin chloride	683-18-1	6	100%	Solid	97			5		Moderate		CEC (1991)
Dibutyltin chloride	683-18-1	7	100%	Solid	97			13		Severe		CEC (1991)
2,6-Dichlorobenzoyl chloride	4659-45-4		100%	Liquid	99	water insoluble		10.74	1.74	Severe	Severe	Gilleron et al. (1997)
2,4-Dicholor-5-sulfamolyl-benzoic acid	2736-23-4		100%	Solid				3.8	2.2	Slight	Slight	Gilleron et al. (1996)
Dimethyl biguanidine	657-24-9		100%	Solid				8.4	2.2	Moderate	Moderate	Gilleron et al. (1996)

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2,2-Dimethylbutanoic acid	595-37-9		100%	Liquid	>99	water insoluble		15.31	0.24	Severe	Severe	Gilleron et al. (1997)
2,5-Dimethylhexanediol	110-03-2		100%	Solid	99.5	water insoluble		15.33	0.38	Severe	Severe	Gilleron et al. (1997)
Dimethyl sulfoxide	67-68-5		100%	Liquid				11.3	3.7	Severe	Severe	Gilleron et al. (1996)
Dimethyl sulfoxide	67-68-5	1	100%	Liquid	99.9			11.7		Severe		CEC (1991)
Dimethyl sulfoxide	67-68-5	2	100%	Liquid	99.9			10.9		Severe		CEC (1991)
Dimethyl sulfoxide	67-68-5	3	100%	Liquid	99.9			11.3		Severe		CEC (1991)
Dimethyl sulfoxide	67-68-5	4	100%	Liquid	99.9			4.1		Slight		CEC (1991)
Dimethyl sulfoxide	67-68-5	5	100%	Liquid	99.9			4.9		Slight		CEC (1991)
Dimethyl sulfoxide	67-68-5	6	100%	Liquid	99.9			7.3		Moderate		CEC (1991)
Dimethyl sulfoxide	67-68-5	7	100%	Liquid	99.9			11.4		Severe		CEC (1991)
Dimethyl sulfoxide	67-68-5	2	10%	Solution	99.9			4.4		Slight		CEC (1991)
Dimethyl sulfoxide	67-68-5	3	10%	Solution	99.9			4.1		Slight		CEC (1991)
Dimethyl sulfoxide	67-68-5	4	10%	Solution	99.9			4.1		Slight		CEC (1991)
EDTA dipotassium	25105-12-9		100%	Solid				0	0	Nonirritant	Nonirritant	Gilleron et al. (1996)
Ethanol	64-17-5		100%	Liquid				11.3	2.8	Severe		Gilleron et al. (1996)
Ethanol	64-17-5		100%	Liquid		water soluble		14.97	0.04	Severe		Gilleron et al. (1997)
2-Ethoxyethanol	110-80-5		100%	Liquid				10.5	2.7	Severe		Gilleron et al. (1996)
Ethyl acetate	141-78-6		100%	Liquid	99	water soluble		19.32	0.06	Severe		Gilleron et al. (1997)
2-Ethyl-1-hexanol	104-76-7		100%	Liquid	99	water soluble		12.71	2.96	Severe		Gilleron et al. (1997)
Ethyl-2-methylacetacetate	609-14-3		100%	Liquid	ca. 97	water insoluble		12.94	2.94	Severe	Severe	Gilleron et al. (1997)
Ethyl trimethyl acetate	3938-95-2		100%	Liquid	99	water insoluble		13.82	2.73	Severe	Severe	Gilleron et al. (1997)
Ethylacetoacetate	141-97-9		100%	Liquid				10	3.2	Severe	Severe	Gilleron et al. (1996)
Fomesafen	72128-02-0		100%	Solid	97.5	water soluble		1.21	1.29	Slight	Slight	Gilleron et al. (1997)
Furan	110-00-9		100%	Liquid				5.5	1	Moderate	Moderate	Gilleron et al. (1996)
Gluconolactone	90-80-2		100%	Solid				4.6	3.2	Slight	Slight	Gilleron et al. (1996)
DL-Glutamic acid	19285-83-7		100%	Solid				0.7	1.2	Nonirritant	Nonirritant	Gilleron et al. (1996)
Glycerol	56-81-5		100%	Liquid	99.5	water soluble		14.78	0.75	Severe	Severe	Gilleron et al. (1997)

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Glycerol	56-81-5	1	100%	Liquid	>99			10.8		Severe	Severe	CEC (1991)
Glycerol	56-81-5	2	100%	Liquid	>99			11.3		Severe		CEC (1991)
Glycerol	56-81-5	3	100%	Liquid	>99			10.3		Severe		CEC (1991)
Glycerol	56-81-5	4	100%	Liquid	>99			4.8		Slight		CEC (1991)
Glycerol	56-81-5	5	100%	Liquid	>99			0		Nonirritant		CEC (1991)
Glycerol	56-81-5	6	100%	Liquid	>99			0		Nonirritant		CEC (1991)
Glycerol	56-81-5	7	100%	Liquid	>99			9.4		Severe		CEC (1991)
Glycerol	56-81-5	2	10%	Solution	>99			8.7		Moderate	Slight	CEC (1991)
Glycerol	56-81-5	3	10%	Solution	>99			4.4		Slight		CEC (1991)
Glycerol	56-81-5	4	10%	Solution	>99			3.6		Slight		CEC (1991)
3-Glycidopropyltrimethoxysilane	2530-83-8		100%	Liquid				4.3	1	Slight	Slight	Gilleron et al. (1996)
Hexadecyltrimethylammonium bromide	57-09-0		100%	Liquid				10.8	4.8	Severe	Severe	Gilleron et al. (1996)
Hexane	110-54-3		100%	Liquid				3.1	2.7	Slight	Slight	Gilleron et al. (1996)
n-Hexane	110-54-3	1	100%	Liquid	99			2.9		Slight	Slight	CEC (1991)
n-Hexane	110-54-3	2	100%	Liquid	99			5.4		Moderate		CEC (1991)
n-Hexane	110-54-3	3	100%	Liquid	99			4.2		Slight		CEC (1991)
n-Hexane	110-54-3	4	100%	Liquid	99			10.3		Severe		CEC (1991)
n-Hexane	110-54-3	5	100%	Liquid	99			2.3		Slight		CEC (1991)
n-Hexane	110-54-3	6	100%	Liquid	99			8.1		Moderate		CEC (1991)
n-Hexane	110-54-3	7	100%	Liquid	99			2.4		Slight		CEC (1991)
n-Hexane	110-54-3	2	10%	Solution	99			3.7		Slight	Severe	CEC (1991)
n-Hexane	110-54-3	3	10%	Solution	99			0		Nonirritant		CEC (1991)
n-Hexane	110-54-3	4	10%	Solution	99	water insoluble		10.1		Severe		CEC (1991)
Hexanol	111-27-3		100%	Liquid	98	water insoluble		17.56	0.4	Severe	Severe	Gilleron et al. (1997)

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Hydroalcoholic Formulation 1-5% Alcohol Containing			Undiluted	Solution				4.6		Slight	Slight	Gettings et al. (1991)
Hydroalcoholic Formulation 2-10% Alcohol Containing			Undiluted	Solution				5		Moderate	Moderate	Gettings et al. (1991)
Hydroalcoholic Formulation 3-15% Alcohol Containing			Undiluted	Solution				8.5		Moderate	Moderate	Gettings et al. (1991)
Hydroalcoholic Formulation 4-20% Alcohol Containing			Undiluted	Solution				5.3		Moderate	Moderate	Gettings et al. (1991)
Hydroalcoholic Formulation 6-40% Alcohol Containing			Undiluted	Solution				11.9		Severe	Severe	Gettings et al. (1991)
Hydroalcoholic Formulation 7-55% Alcohol Containing			Undiluted	Solution				12.8		Severe	Severe	Gettings et al. (1991)
Hydroalcoholic Formulation 8-65% Alcohol Containing			Undiluted	Solution				12.7		Severe	Severe	Gettings et al. (1991)
Hydroalcoholic Formulation 9-83% Alcohol Containing			Undiluted	Solution				13.8		Severe	Severe	Gettings et al. (1991)
Hydroalcoholic Formulation 10-90% Alcohol Containing			Undiluted	Solution				13.6		Severe	Severe	Gettings et al. (1991)
Imidazole	288-32-4		100%	Solid				18.7	0.9	Severe	Severe	Gilleron et al. (1996)
Imidazole	288-32-4		100%	Solid	99	water soluble		19.43	0.49	Severe		Gilleron et al. (1997)
Iminodibenzyl	94-19-9		100%	Solid				0	0	Nonirritant	Nonirritant	Gilleron et al. (1996)
Isobutanol	78-83-1		100%	Liquid	99.9	water insoluble		19.41	0.08	Severe	Severe	Gilleron et al. (1997)
Isopropanol	67-63-0		100%	Liquid	99.9	water soluble		14.8	0.21	Severe	Severe	Gilleron et al. (1997)
N-Lauroylsarcosine, sodium salt	7631-98-3		100%	Solid				12.7	4.3	Severe	Severe	Gilleron et al. (1996)
Laurylsulfobetaine	14933-08-5		100%	Unknown				8.3	1.2	Moderate	Moderate	Gilleron et al. (1996)
Magnesium carbonate	56378-72-4		100%	Solid				1.4	1.9	Slight	Slight	Gilleron et al. (1996)
Maneb	12427-38-2		100%	Solid	90	water soluble		0.16	0.24	Nonirritant	Nonirritant	Gilleron et al. (1997)
Methanol	67-56-1		100%	Liquid				12.2	3.3	Severe	Severe	Gilleron et al. (1996)
2-Methoxyethanol	109-86-4		100%	Liquid				14.5	0.7	Severe	Severe	Gilleron et al. (1996)
2-Methoxyethanol	109-86-4	1	100%	Liquid	99			9.7		Severe	Severe	CEC (1991)
2-Methoxyethanol	109-86-4	2	100%	Liquid	99			12.2		Severe		CEC (1991)
2-Methoxyethanol	109-86-4	3	100%	Liquid	99			12.1		Severe		CEC (1991)
2-Methoxyethanol	109-86-4	4	100%	Liquid	99			8.6		Moderate		CEC (1991)
2-Methoxyethanol	109-86-4	5	100%	Liquid	99			4.5		Slight		CEC (1991)
2-Methoxyethanol	109-86-4	6	100%	Liquid	99			0.8		Nonirritant		CEC (1991)
2-Methoxyethanol	109-86-4	7	100%	Liquid	99			3.1		Slight		CEC (1991)

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2-Methoxyethanol	109-86-4	2	10%	Solution	99			7		Moderate	Moderate	CEC (1991)
2-Methoxyethanol	109-86-4	3	10%	Solution	99			0		Nonirritant		CEC (1991)
2-Methoxyethanol	109-86-4	4	10%	Solution	99			3.1		Slight		CEC (1991)
Methyl acetate	79-20-9		100%	Liquid	98	water soluble		18.98	0.75	Severe	Severe	Gilleron et al. (1997)
Methyl cyanoacetate	105-34-0		100%	Liquid	99	water soluble		16.31	1.23	Severe	Severe	Gilleron et al. (1997)
Methyl cyclopentane	96-37-7		100%	Liquid	>99	water insoluble		17.14	1.63	Severe	Severe	Gilleron et al. (1997)
Methyl ethyl ketone	78-93-3		100%	Liquid	99	water soluble		18.35	2.52	Severe	Severe	Gilleron et al. (1997)
Methyl isobutyl ketone	108-10-1		100%	Liquid	98	water insoluble		17.75	2.2	Severe	Severe	Gilleron et al. (1997)
Methyl isobutyl ketone	108-10-1		100%	Liquid				10.5	1.5	Severe		Gilleron et al. (1996)
MYRJ 45			100%	Unknown				0.00	0.00	Nonirritant	Nonirritant	Gilleron et al. (1996)
1-Naphthalene acetic acid	86-87-3		100%	Solid	99	water soluble		7.46	2.37	Moderate	Moderate	Gilleron et al. (1997)
1-Naphthalene acetic acid, Na salt	61-31-4		100%	Solid	95	water soluble		15.16	0.49	Severe	Severe	Gilleron et al. (1997)
1-Nitropropane	108-03-2		100%	Liquid				2.8	2.7	Slight	Slight	Gilleron et al. (1996)
Octanol	111-87-5		100%	Liquid				9.8	1.7	Severe	Severe	Gilleron et al. (1996)
Octanol	111-87-5		100%	Liquid	>99	water insoluble		16.7	0.81	Severe		Gilleron et al. (1997)
Oil/Water Emulsion-HZA			Undiluted	Solution				1		Slight	Nonirritant	Gettings et al. (1994)
Oil/Water Emulsion-HZC			Undiluted	Solution				3		Slight	Nonirritant	Gettings et al. (1994)
Oil/Water Emulsion-HZE			Undiluted	Solution				3.67		Slight	Nonirritant	Gettings et al. (1994)
Oil/Water Emulsion-HZF			Undiluted	Solution				3.67		Slight	Nonirritant	Gettings et al. (1994)
Oil/Water Emulsion-HZH ²			Undiluted	Solution				23		Severe	Nonirritant	Gettings et al. (1994)
Oil/Water Emulsion-HZI			Undiluted	Solution				0.333		Nonirritant	Nonirritant	Gettings et al. (1994)
Oil/Water Emulsion-HZJ			Undiluted	Solution				3		Slight	Nonirritant	Gettings et al. (1994)
Oil/Water Emulsion-HZL			Undiluted	Solution				10.3		Severe	Nonirritant	Gettings et al. (1994)
Oil/Water Emulsion-HZM			Undiluted	Solution				14.3		Severe	Nonirritant	Gettings et al. (1994)
Oil/Water Emulsion-HZN			Undiluted	Solution				3.67		Slight	Nonirritant	Gettings et al. (1994)
Oil/Water Emulsion-HZO			Undiluted	Solution				0		Nonirritant	Nonirritant	Gettings et al. (1994)
Oil/Water Emulsion-HZR			Undiluted	Solution				16.3		Severe	Nonirritant	Gettings et al. (1994)

Substance Name	CASRN	Test Lab	In Vitro Concentration Tested	In Vitro Physical Form Tested	Purity (%)	Solubility	pH	IS(B) ¹	IS(B) SD	IS(B) Classification	Overall IS(B) Classification	Reference
Oil/Water Emulsion-HZS			Undiluted	Solution				8.33		Moderate	Nonirritant	Gettings et al. (1994)
Oil/Water Emulsion-HZT			Undiluted	Solution				1		Slight	Nonirritant	Gettings et al. (1994)
Oil/Water Emulsion-HZU			Undiluted	Solution				1		Slight	Nonirritant	Gettings et al. (1994)
Oil/Water Emulsion-HZV			Undiluted	Solution				0		Nonirritant	Nonirritant	Gettings et al. (1994)
Oil/Water Emulsion-HZW			Undiluted	Solution				5		Moderate	Nonirritant	Gettings et al. (1994)
Oil/Water Emulsion-HZY			Undiluted	Solution				9.67		Severe	Nonirritant	Gettings et al. (1994)
Parafluoraniline	371-40-4		100%	Liquid	99	water insoluble		15.49	1.63	Severe	Severe	Gilleron et al. (1997)
2,4-Pentadione	123-54-6		100%	Liquid				8.8	3	Moderate	Moderate	Gilleron et al. (1996)
1-Phenyl-3-pyrazolidine	92-43-3		100%	Solid				0.5	0.4	Nonirritant	Nonirritant	Gilleron et al. (1996)
Polyethylene glycol 400	25322-68-3		100%	Liquid		surfactant		14.68	0.55	Severe	Severe	Gilleron et al. (1997)
Polyoxyethylene 23 lauryl ether			100%	Solid				1.5	2.6	Slight	Slight	Gilleron et al. (1996)
Potassium cyanate	590-28-3		100%	Solid	97	water soluble		14.27	1.15	Severe	Severe	Gilleron et al. (1997)
Promethazine HCl	58-33-3		100%	Solid	98	water soluble		6.27	1.41	Moderate	Severe	Gilleron et al. (1997)
Promethazine HCl	58-33-3		100%	Solid				13.9	2.1	Severe		Gilleron et al. (1996)
Propyl-4-hydroxybenzoate	94-13-3		100%	Solid				1.9	1	Slight	Slight	Gilleron et al. (1996)
Pyridine	110-86-1		100%	Liquid				15.8	3.6	Severe	Severe	Gilleron et al. (1996)
Pyridine	110-86-1		100%	Liquid	>99	water soluble		17.79	2.44	Severe		Gilleron et al. (1997)
Quinacrine	69-05-6		100%	Solid				6.5	2.2	Moderate	Moderate	Gilleron et al. (1996)
Quinacrine	69-05-6		100%	Solid		water soluble		7.29	0.6	Moderate		Gilleron et al. (1997)
Sodium lauryl sulfate	151-21-3	1	100%	Solid	98			11.4		Severe	Severe	CEC (1991)
Sodium lauryl sulfate	151-21-3	2	100%	Solid	98			10.3		Severe		CEC (1991)
Sodium lauryl sulfate	151-21-3	3	100%	Solid	98			13.9		Severe		CEC (1991)
Sodium lauryl sulfate	151-21-3	4	100%	Solid	98			4.8		Slight		CEC (1991)
Sodium lauryl sulfate	151-21-3	6	100%	Solid	98			11.1		Severe		CEC (1991)
Sodium lauryl sulfate	151-21-3	7	100%	Solid	98			9.7		Severe		CEC (1991)
Sodium lauryl sulfate	151-21-3	2	10%	Solution	98			18.4		Severe	Severe	CEC (1991)
Sodium lauryl sulfate	151-21-3	3	10%	Solution	98			14.1		Severe		CEC (1991)
Sodium lauryl sulfate	151-21-3	4	10%	Solution	98			5.1		Moderate		CEC (1991)

Substance Name	CASRN	Test Lab	<i>In Vitro</i> Concentration Tested	<i>In Vitro</i> Physical Form Tested	Purity (%)	Solubility	pH	IS(B) ¹	IS(B) SD	IS(B) Classification	Overall IS(B) Classification	Reference
Sodium lauryl sulfate	151-21-3		1%	Solution			3.3	14.22		Severe	Nonirritant	Vinardell and Macián (1994)
Sodium lauryl sulfate	151-21-3		100%	Liquid	98	surfactant		12.38	1.82	Severe	Severe	Gilleron et al. (1997)
Sodium lauryl sulfate	151-21-3		100%	Liquid	98	surfactant		15.05	0.29	Severe	Severe	Gilleron et al. (1997)
Sodium hydroxide	1310-73-2		100%	Liquid		water soluble		19.01	0.13	Severe	Severe	Gilleron et al. (1997)
Sodium hydroxide	1310-73-2		100%	Liquid		water soluble		20.56	0.08	Severe	Severe	Gilleron et al. (1997)
Sodium oxalate	62-76-0		100%	Solid	>99	water soluble		14.2	0.71	Severe	Severe	Gilleron et al. (1997)
Sodium perborate	10486-00-7		100%	Solid	98.6	water soluble		13.19	1.78	Severe	Severe	Gilleron et al. (1997)
Surfactant Based Formulation 1-HZA			10%	Solution				9.6		Severe	Nonirritant	Gettings et al. (1996)
Surfactant Based Formulation 2-HZB			10%	Solution				7.3		Moderate	Nonirritant	Gettings et al. (1996)
Surfactant Based Formulation 3-HZC			10%	Solution				15.3		Severe	Nonirritant	Gettings et al. (1996)
Surfactant Based Formulation 4-HZD			10%	Solution				8.7		Moderate	Nonirritant	Gettings et al. (1996)
Surfactant Based Formulation 5-HZE			10%	Solution				11.4		Severe	Nonirritant	Gettings et al. (1996)
Surfactant Based Formulation 6-HZF			10%	Solution				10.9		Severe	Nonirritant	Gettings et al. (1996)
Surfactant Based Formulation 7-HZG			10%	Solution				7.1		Moderate	Nonirritant	Gettings et al. (1996)
Surfactant Based Formulation 8-HZH			10%	Solution				3.5		Slight	Nonirritant	Gettings et al. (1996)
Surfactant Based Formulation 9-HZI			10%	Solution				15.2		Severe	Nonirritant	Gettings et al. (1996)
Surfactant Based Formulation 10-HZJ			10%	Solution				6.2		Moderate	Nonirritant	Gettings et al. (1996)
Surfactant Based Formulation 11-HZK			10%	Solution				9.4		Severe	Nonirritant	Gettings et al. (1996)
Surfactant Based Formulation 12-HZL			10%	Solution				12.4		Severe	Nonirritant	Gettings et al. (1996)
Surfactant Based Formulation 13-HZM			10%	Solution				2.7		Slight	Nonirritant	Gettings et al. (1996)
Surfactant Based Formulation 14-HZN			10%	Solution				8		Moderate	Nonirritant	Gettings et al. (1996)
Surfactant Based Formulation 15-HZP			10%	Solution				4.4		Slight	Nonirritant	Gettings et al. (1996)
Surfactant Based Formulation 16-HZQ			10%	Solution				4.2		Slight	Nonirritant	Gettings et al. (1996)
Surfactant Based Formulation 17-HZR			10%	Solution				5.3		Moderate	Nonirritant	Gettings et al. (1996)
Surfactant Based Formulation 18-HZS			10%	Solution				12.2		Severe	Nonirritant	Gettings et al. (1996)
Surfactant Based Formulation 19-HZT			10%	Solution				3.5		Slight	Nonirritant	Gettings et al. (1996)
Surfactant Based Formulation 20-HZU			10%	Solution				6.2		Moderate	Nonirritant	Gettings et al. (1996)

Substance Name	CASRN	Test Lab	In Vitro Concentration Tested	In Vitro Physical Form Tested	Purity (%)	Solubility	pH	IS(B) ¹	IS(B) SD	IS(B) Classification	Overall IS(B) Classification	Reference
Surfactant Based Formulation 21-HZV			10%	Solution				8.7		Moderate	Nonirritant	Gettings et al. (1996)
Surfactant Based Formulation 22-HZW			10%	Solution				5.1		Moderate	Nonirritant	Gettings et al. (1996)
Surfactant Based Formulation 23-HZX			10%	Solution				11.3		Severe	Nonirritant	Gettings et al. (1996)
Surfactant Based Formulation 24-HZY			10%	Solution				11.7		Severe	Nonirritant	Gettings et al. (1996)
Surfactant Based Formulation 25-HZZ			10%	Solution				1.1		Slight	Nonirritant	Gettings et al. (1996)
Tetraaminopyrimidine sulfate	5392-28-9		100%	Solid				0.5	0.9	Nonirritant	Slight	Gilleron et al. (1996)
Tetraaminopyrimidine sulfate	5392-28-9		100%	Solid	97	water insoluble		4.33	0.23	Slight		Gilleron et al. (1997)
Thiourea	62-56-6		100%	Solid				13.7	4.4	Severe	Severe	Gilleron et al. (1996)
Thiourea	62-56-6		100%	Solid	>99	water soluble		17.89	1.53	Severe		Gilleron et al. (1997)
Toluene	108-88-3		100%	Liquid	99	water soluble		16.09	1.62	Severe	Severe	Gilleron et al. (1997)
Toluene	108-88-3	1	100%	Liquid	99.9			8.8		Moderate	Severe	CEC (1991)
Toluene	108-88-3	2	100%	Liquid	99.9			14.8		Severe		CEC (1991)
Toluene	108-88-3	3	100%	Liquid	99.9			15.2		Severe		CEC (1991)
Toluene	108-88-3	4	100%	Liquid	99.9			11.5		Severe		CEC (1991)
Toluene	108-88-3	5	100%	Liquid	99.9			4.6		Slight		CEC (1991)
Toluene	108-88-3	6	100%	Liquid	99.9			3.1		Slight		CEC (1991)
Toluene	108-88-3	7	100%	Liquid	99.9			4.9		Slight		CEC (1991)
Triacetin	102-76-1	1	100%	Liquid	99			3.6		Slight	Slight	CEC (1991)
Triacetin	102-76-1	2	100%	Liquid	99			4.3		Slight		CEC (1991)
Triacetin	102-76-1	3	100%	Liquid	99			5.5		Moderate		CEC (1991)
Triacetin	102-76-1	4	100%	Liquid	99			4.4		Slight		CEC (1991)
Triacetin	102-76-1	5	100%	Liquid	99			3.3		Slight		CEC (1991)
Triacetin	102-76-1	6	100%	Liquid	99			4.3		Slight		CEC (1991)
Triacetin	102-76-1	7	100%	Liquid	99			3.1		Slight		CEC (1991)

Substance Name	CASRN	Test Lab	<i>In Vitro</i> Concentration Tested	<i>In Vitro</i> Physical Form Tested	Purity (%)	Solubility	pH	IS(B) ¹	IS(B) SD	IS(B) Classification	Overall IS(B) Classification	Reference
Triacetin	102-76-1	2	10%	Solution	99			13.6		Severe	Slight	CEC (1991)
Triacetin	102-76-1	3	10%	Solution	99			2		Slight		CEC (1991)
Triacetin	102-76-1	4	10%	Solution	99			3.3		Slight		CEC (1991)
Tributyltin chloride	1461-22-9	1	100%	Solid	96			6.7		Moderate	Moderate	CEC (1991)
Tributyltin chloride	1461-22-9	2	100%	Solid	96			8.9		Moderate		CEC (1991)
Tributyltin chloride	1461-22-9	3	100%	Solid	96			13.7		Severe		CEC (1991)
Tributyltin chloride	1461-22-9	4	100%	Solid	96			8.8		Moderate		CEC (1991)
Tributyltin chloride	1461-22-9	5	100%	Solid	96			7.4		Moderate		CEC (1991)
Tributyltin chloride	1461-22-9	6	100%	Solid	96			7.9		Moderate		CEC (1991)
Tributyltin chloride	1461-22-9	7	100%	Solid	96			6.6		Moderate		CEC (1991)
Tributyltin chloride	1461-22-9	2	10%	Solution	96			15.6		Severe	Severe	CEC (1991)
Tributyltin chloride	1461-22-9	3	10%	Solution	96			9.6		Severe		CEC (1991)
Tributyltin chloride	1461-22-9	4	10%	Solution	96			11.2		Severe		CEC (1991)
Trichloroacetic acid	76-03-9		100%	Liquid		water soluble		15.7	0.11	Severe	Severe	Gilleron et al. (1997)
Trichloroacetic acid	76-03-9		100%	Liquid		water soluble		15.72	0.15	Severe	Severe	Gilleron et al. (1997)
1,2,3-Trichloropropane	96-18-4		100%	Liquid				7.9	1.7	Moderate	Moderate	Gilleron et al. (1996)
1,2,4-Trichloropropane	95-63-6		100%	Liquid				4.5	2.9	Slight	Slight	Gilleron et al. (1996)
Triethanolamine	102-71-6		100%	Liquid				9.6	3.5	Severe	Severe	Gilleron et al. (1996)
Triethanolamine	102-71-6	1	100%	Liquid	97			8.6		Moderate	Severe	CEC (1991)
Triethanolamine	102-71-6	2	100%	Liquid	97			10.4		Severe		CEC (1991)
Triethanolamine	102-71-6	3	100%	Liquid	97			11.9		Severe		CEC (1991)
Triethanolamine	102-71-6	4	100%	Liquid	97			4.2		Slight		CEC (1991)
Triethanolamine	102-71-6	5	100%	Liquid	97			0		Nonirritant		CEC (1991)
Triethanolamine	102-71-6	6	100%	Liquid	97			3.7		Slight		CEC (1991)
Triethanolamine	102-71-6	7	100%	Liquid	97			7.5		Moderate		CEC (1991)

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Triethanolamine	102-71-6	2	10%	Solution	97			11.3		Severe	Slight	CEC (1991)
Triethanolamine	102-71-6	3	10%	Solution	97			2.8		Slight		CEC (1991)
Triethanolamine	102-71-6	4	10%	Solution	97			1.1		Slight		CEC (1991)
Triton X-100	9002-93-1		100%	Liquid	98	surfactant		10.94	0.8	Severe	Severe	Gilleron et al. (1997)
Triton X-100	9002-93-1		100%	Liquid	98	surfactant		13.73	0.48	Severe	Severe	Gilleron et al. (1997)
Triton X-155	9010-44-0		100%	Surfactant				3.9	2.3	Slight	Slight	Gilleron et al. (1996)
Tween 20	9005-64-5		100%	Liquid	98	surfactant		14.47	0.36	Severe	Severe	Gilleron et al. (1997)
Tween 20	9005-64-5		100%	Liquid			7.21	3.22		Slight		Vinardell and Macián (1994)

Abbreviation: CASRN = Chemical Abstract Service Registry Number, SD = standard deviation.

¹ IS(B) represents irritation scores that were calculated using a method similar to the one described in Kalweit et al. (1987, 1990).

² The IS(B) analysis method does not yield an IS value greater than 21 and the calculated result of 23 for this substance is not possible. Based on results with the IS(A) analysis method (IS(A) = 17.8) in the same report, the formulation would be classified as a severe irritant and was classified as such for the IS(B) analysis method.